

What is claimed is:

1. A filter for removing liquids from a pressurized gaseous stream, the filter comprising:
 - (a) a filter element disposed in a body defining an inner chamber and an inner chamber pressure;
 - (b) a housing, having the body disposed therein and an outer chamber and outer chamber pressure defined by a region outside the inner chamber and inside the housing; and
 - (c) a drain device, having an orifice in the inner chamber and the outer chamber for draining the liquids from both the inner chamber and the outer chamber from the filter.
2. The filter of claim 1, wherein the outer chamber pressure is greater than the inner chamber pressure.
3. The filter of claim 1, wherein the filter element further comprises a filter media within the filter element.
4. The filter of claim 1, wherein the drain device comprises a spring loaded ball or valve to open or shut the orifice in the inner chamber.
5. The filter of claim 4, wherein the spring loaded ball or valve plugs the inner chamber drain orifice when the outer chamber pressure is greater than the inner chamber pressure.

6. The filter of claim 4, wherein the spring loaded ball or valve opens the inner chamber drain orifice when the inner chamber pressure is substantially equal to or greater than the outer chamber pressure.

7. A method of filtering liquids from a pressurized gaseous stream, the method comprising:

(a) providing a filter element disposed in a body defining an inner chamber and an inner chamber pressure;

(b) housing the filter element in a housing, having the body disposed therein and an outer chamber and outer chamber pressure defined by a region outside the inner chamber and inside the housing; and

(c) draining liquids from both the inner chamber and the outer chamber from the filter through a drain device having an orifice in the inner chamber and the outer chamber.

8. The method of claim 7, wherein the outer chamber pressure is greater than the inner chamber pressure.

9. The method of claim 7, wherein the filter element further comprises a filter media within the filter element.

10. The method of claim 7, wherein the drain device comprises a spring loaded ball or valve to open or shut the orifice in the inner chamber.

11. The method of claim 10, wherein the spring loaded ball or valve plugs the inner chamber drain orifice when the outer chamber pressure is greater than the

inner chamber pressure.

12. The method of claim 10, wherein the spring loaded ball or valve opens the inner chamber drain orifice when the inner chamber pressure is substantially equal to or greater than the outer chamber pressure.

13. A device for filtering liquids from a pressurized gaseous stream, the device comprising:

(a) a filtering means disposed in a body defining an inner chamber and an inner chamber pressure;

(b) a housing means, having the body disposed therein and an outer chamber and outer chamber pressure defined by a region outside the inner chamber and inside the housing means; and

(c) a draining means, having an orifice in the inner chamber and the outer chamber for draining the liquids from both the inner chamber and the outer chamber from the device.

14. The device of claim 13, wherein the outer chamber pressure is greater than the inner chamber pressure.

15. The device of claim 13, wherein the filtering means further comprises a filter media within the filtering means.

16. The device of claim 13, wherein the draining means comprises a spring loaded ball or valve to open or shut the orifice in the inner chamber.

17. The device of claim 16, wherein the spring loaded ball or valve plugs the inner chamber drain orifice when the outer chamber pressure is greater than the inner chamber pressure.

18. The device of claim 16, wherein the spring loaded ball or valve opens the inner chamber drain orifice when the inner chamber pressure is substantially equal to or greater than the outer chamber pressure.